

TRANSLATION  
PALM INTRANET1/17/01  
#4  
Day : Wednesday  
Date: 1/17/2001  
Time: 07:59:35

## Serial Number Information

Serial Number : 09/623037

Examiner Number : 00000/No Employee Name

Filing Date : 08/24/2000

Group Art Unit : 2766

Application Received : 08/24/2000

Class/Subclass : 380/ .

Patent Number :

Lost Case : NO

Issue Date : 00/00/0000

Interference Number :

Date of Abandonment : 00/00/0000

Unmatched Petition : NO

Attorney Docket Number : P00.1249

L&amp;R Code : 01

Status : 020 / UNDOCKETED NEW CASE - RELEASED TO  
GROUP BY L & R

Status Date : 10/18/2000

Location : 27I1/TC-5 INCOMING MAIL, PK-2 3B13

Location Date : 10/18/2000

Charge to Location : 27E1/SPE OF GAU ASSIGNED

Charge to Name : No Charge to Name

Station location : GRP 2700

Title of Invention :

METHOD AND DEVICE FOR SECURING ACCESS TO A SERVICE IN A  
TELECOMMUNICATIONS NETWORK

Serial Info	Contents	Details	Atty/Agent Info	Continuity Data	Foreign Data	Inventors
-------------	----------	---------	-----------------	-----------------	--------------	-----------

Search Another: Serial#  Search or Patent#  Search

(To Go BACK Use BACK Button on Your BROWSER Tool Bar)

Back to || [PALM](#) || [ASSIGNMENT](#) || [OASIS](#) || Home Page

02/12

- hold

1/22  
1/29  
2.1

Translation

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference GR 98P1245P	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DE98/02949	International filing date (day/month/year) 02 October 1998 (02.10.98)	Priority date (day/month/year) 27 February 1998 (27.02.98)
International Patent Classification (IPC) or national classification and IPC H04L 9/32		
Applicant SIEMENS AKTIENGESELLSCHAFT		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
- ☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 04 May 1999 (04.05.99)	Date of completion of this report 25 April 2000 (25.04.2000)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DE98/02949

## I. Basis of the report

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

- ☐ the international application as originally filed.
- ☒ the description, pages 1-10, as originally filed,  
 pages \_\_\_\_\_, filed with the demand,  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the claims, Nos. \_\_\_\_\_, as originally filed,  
 Nos. \_\_\_\_\_, as amended under Article 19,  
 Nos. \_\_\_\_\_, filed with the demand,  
 Nos. 1-3, filed with the letter of 17 February 2000 (17.02.2000),  
 Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the drawings, sheets/fig 1/2, 2/2, as originally filed,  
 sheets/fig \_\_\_\_\_, filed with the demand,  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DE 98/02949

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	1-3	YES
	Claims		NO
Inventive step (IS)	Claims	1-3	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-3	YES
	Claims		NO

**2. Citations and explanations**

1. The subject matter of Claim 1 is novel and inventive (PCT Article 33(2) and (3)).

1.1 The claim relates to a method for providing security of access to a service in an intelligent telecommunications network (IN). Security of access is achieved by entering an unambiguous sequence of numbers at a terminal, the sequence being known only to the user of the service. The sequence of numbers is communicated to a central authority and evaluated there. Before transmission, the sequence of numbers is completed by means of a further changeable parameter and encrypted using an algorithm. The result of the calculation is communicated to a central authority by means of a multi-frequency dialling method. The use of the service is then made available if the access code has not been received in a predetermined time interval.

1.2 This procedure is not suggested by the prior art.

**D1, DE A 43 25 459**, discloses a similar method of ensuring security. This method does not relate, however, to services that are offered by the network

itself. The known method relates to the carrying out of bank transactions, using not the bank's own network but the public telephone network. Even if the method known from **D1** were also to be applied to an IN network, one would not arrive at the subject matter of Claim 1. The transaction method as per **D1** makes it possible in principle to carry out any number of transactions within a certain time interval. This is the opposite of making a service available if the access code has not been received within a certain time interval.

**US-A-5 363 459** is less relevant, because the encrypting does not take place in the transfer to the central authority. The central authority only calculates a PIN number, which is communicated to the user via a separate channel.

**FR-A-2 701 181** relates to a games system in which no encrypting takes place. The user has a chip card which has an encrypted code that is transmitted during transmission to the central authority.

**FR-A-2 753 860** similarly does not include any encrypting. A card sends data that have already been encrypted. The transmission of the user's PIN number takes place in plain language.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/DE 98/02949

## VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

1. **D1** is not mentioned in the description (PCT Rule 5.1(a)(ii)).

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DE 98/02949

## VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

1. The claims are restricted to a method for ensuring security of access to a service in an intelligent communications network (IN). The description contains embodiments (cf. page 1, lines 6-15) which do not relate to any IN networks. These embodiments relate, for example, to private or mobile radio networks. As these embodiments are not covered by the claims, doubts arise as to the range of protection (cf. Guidelines III, 4.3).